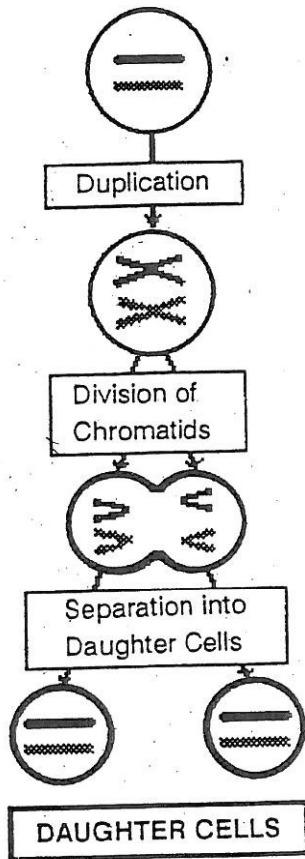


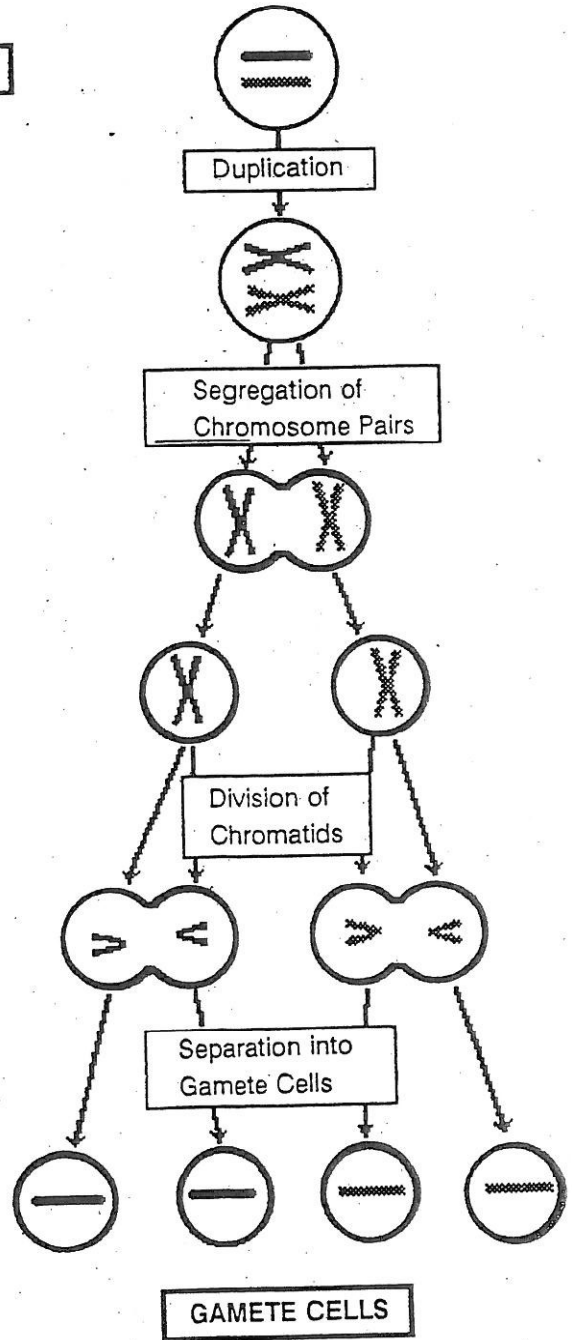
Comparing Mitosis and Meiosis

MITOSIS



PARENT CELL

MEIOSIS



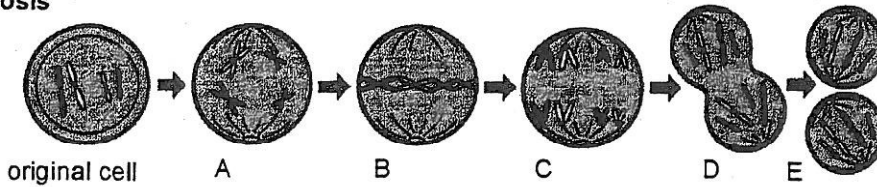
GAMETE CELLS

Goal • Review your understanding of mitosis and meiosis.

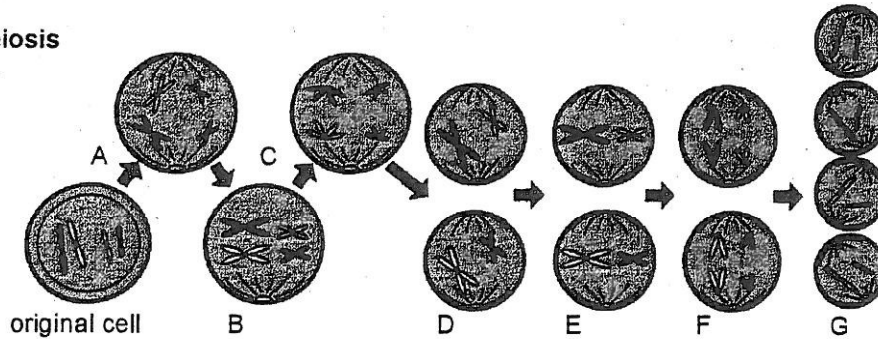
What to Do

Match each of the following descriptions with the corresponding event depicted in the diagram below. Write the correct letter in each blank.

Mitosis



Meiosis



- _____ 1. Chromatids are still joined in meiosis, but not in mitosis.
- _____ 2. Chromatids separate.
- _____ 3. Chromosomes double in both mitosis and meiosis.
- _____ 4. Mitosis is complete, but another division is about to take place in meiosis. The chromosomes line up along the centre of the cell.
- _____ 5. In meiosis, the chromosomes separate but chromatids remain joined. In mitosis, chromatids separate.
- _____ 6. Chromosomes line up in pairs in meiosis but not in mitosis.
- _____ 7. End products of meiosis

Short Answer

8. Use "haploid" and "diploid" to compare the end products of meiosis with the end products of mitosis. How do they differ?